Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/11/2016 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124129	-1	2.54	124068	2.47
Blue	F	SSC	125000	124937	-1	4.94	126204	4.77
Blue	E	FITC	17224	16910	-2	3.51	955	9.04
Blue	D	PE	22462	21784	-4	3.14	981	8.41
Blue	B	PerCP-Cy5-5	63940	63120	-2	3.66	1665	13.03
Blue	A	PE-Cy7	72480	71666	-2	4.63	947	23.90
Red	C	APC	63778	63084	-2	2.58	3556	7.98
Red	A	APC-Cy7	97254	97287	0	2.67	1925	7.94
Violet	B	V450	10730	10472	-3	3.67	651	8.17
Violet	A	V500	42147	41908	-1	3.30	2372	6.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19841	3.47	584	-36	N/A	N/A	Pass
Blue	F	SSC	62250	4.01	508	-19	N/A	N/A	Pass
Blue	E	FITC	103	35.21	514	-25	0.0268	171	Pass
Blue	D	PE	203	24.55	508	-24	0.1751	141	Pass
Blue	B	PerCP-Cy5-5	205	38.23	597	-17	0.0118	0	Pass
Blue	A	PE-Cy7	72	95.31	650	-23	0.0163	16	Pass
Red	C	APC	335	25.54	579	-5	0.0221	2	Pass
Red	A	APC-Cy7	122	38.44	562	-3	0.0048	936	Pass
Violet	B	V450	69	39.20	450	-24	0.0429	1306	Pass
Violet	A	V500	154	21.40	479	-24	0.0131	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.24	-31.02	0.80
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	16.67	13.28 - 19.92	N/A	N/A	31.46	31.74	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11139

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments